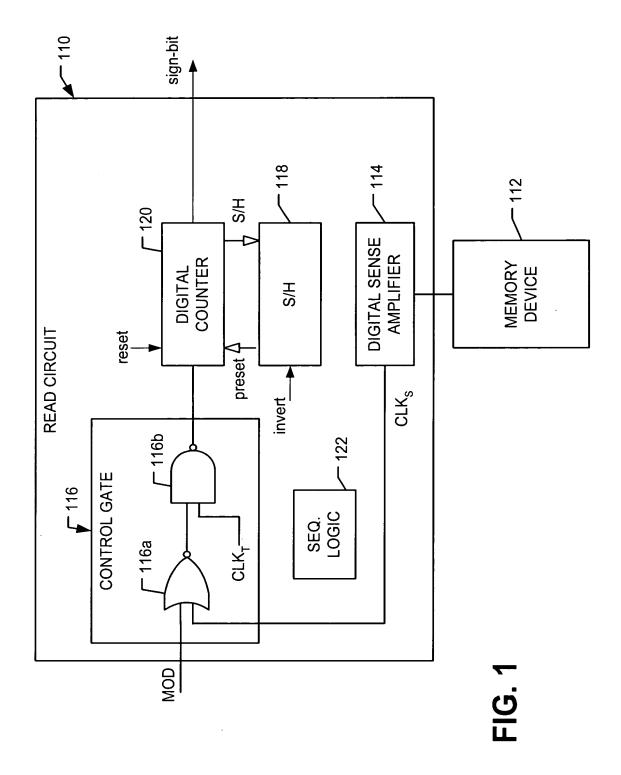
, +0 1⁰ 1 i

Inventors: Perner et al. Docket No. : 200311702-1, Sheet 1/5



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FIG. 3a

INCREASE DIGITAL COUNTER
STATE BY NT

SHIFT STATE INTO S/H

SHIFT NEGATIVE OF STATE
INTO DIGITAL COUNTER
TO DIGITAL COUNTER UNTIL
SIGN-BIT CHANGES

COMPUTE MARGIN

- 310

- 314

SUPPLY TEST CLOCK PULSES
TO DIGITAL COUNTER UNTIL
SIGN-BIT CHANGES

- 316

- 317

- 318

RESET DIGITAL COUNTER

TAKE FIRST SAMPLE

CHANGE SIGN-BIT OF DIGITAL

COUNTER

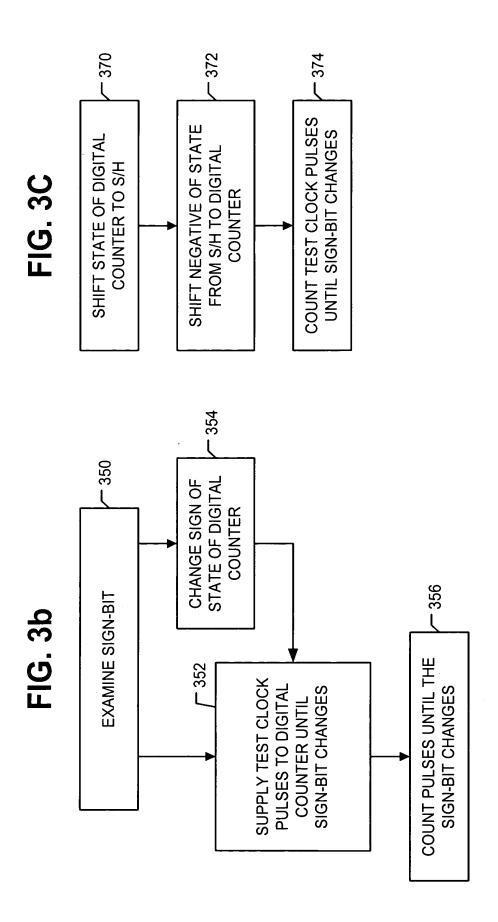
TAKE SECOND SAMPLE

TAKE THIRD SAMPLE

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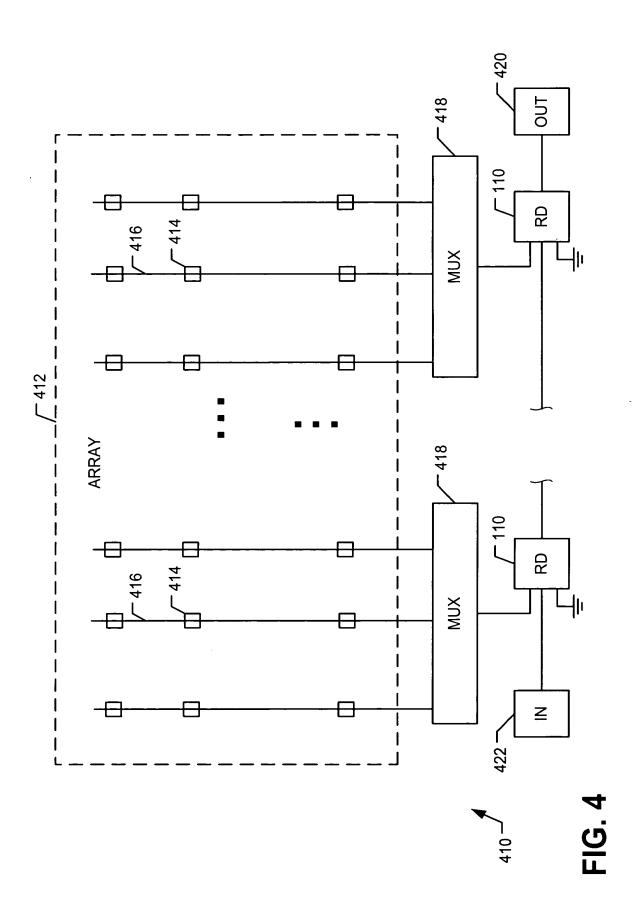
4 4 19 4 19 3 4 3 Y

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w 10 (8 1 1 1

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 $\sum_{k=0}^{\infty} (a_k - b_k) = \frac{3^k}{k}$

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